PLC OR ARC? FARM BILL PROGRAM SIGN-UP AND DECISION AIDS

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Multi-Step Process with Different Deadlines

- Step 1: Maintain or Reallocate Base Acres
- Step 2: Keep or Update Yields
- Step 3: Elect PLC/ARC-CO/ARC-IC By 3/31/2015
- Step 4: Consider SCO By 3/15/2015
- Step 5: Enroll in PLC/ARC By Summer 2015
- Recommendations
- Choose option that puts most Base Acres into Corn
- Choose option that gives you the highest Program Yields

Updating Base Acres

- Base acres haven't been updated since 2002 Farm Bill, so current base acres are based on 1998-2001 plantings
- 2 Options
 - 1. Keep current base acres
 - 2. Keep same total base acres, but reallocate using actual 2009-2012 planted acre shares
- Recommendation: Choose option that puts more base acres into <u>Corn</u>: crop with the highest expected payments
 - In WI: Corn > Soybeans ≥ Wheat > Oats
- Farm cannot increase total base acres, only reallocate total based on acreage shares planted during 2009-2012

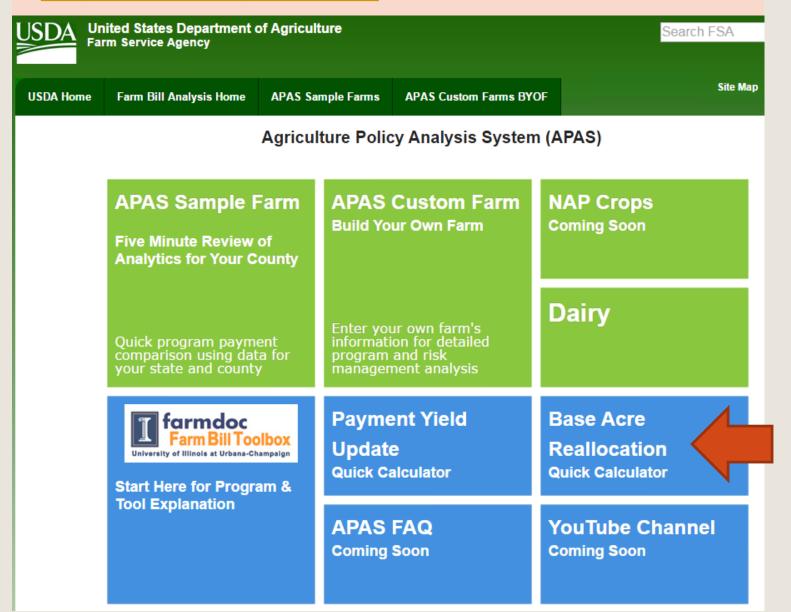
Base Acre Updating Tool

- http://www.fsa.usda.gov/Internet/FSA_File/evaluate_arc_plc.pdf
- Scroll down, hit link, zip file to get Excel spreadsheet

Crop		Planted and Considered Planted (P&CP) Acres				2009-12		2014
	2013 Base Acres	2009	2010	2011	2012	Average P&CP	Reallocation Percentage	Reallocated Base Acres
Barley								
Canola								
Corn	85.80	95.50	67.80	103.70	58.80	81.45	53.11%	75.85
Crambe								
Dry Peas								
Flaxseed								
Grain Sorghum								
Large Chickpeas								
Lentils								
Mustard Seed								
Oats			14.00	5.00		4.75	3.10%	4.42
Peanuts								
Rapeseed								
Rice (Long Grain)								
Rice (Medium/Short Grain)								
Safflower								
Sesame Seed								
Small Chickpeas								
Soybeans	57.00	41.70	78.40	44.80	103.70	67.15	43.79%	62.53
Sunflower Seed (All)								
Wheat								
Totals	142.80	137.20	160.20	153.50	162.50	153.35	100.00%	142.80

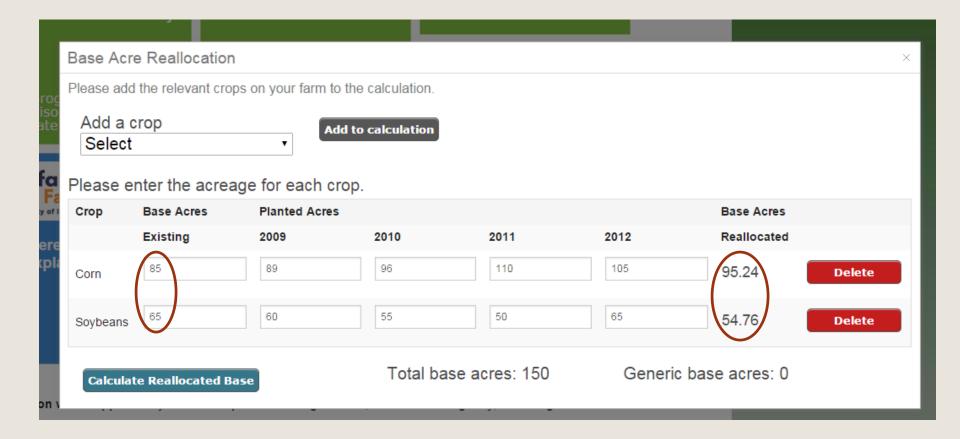
Alternative enter data into an online tool:

http://fsa.usapas.com/



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Yield Updating

- Haven't been updated since 2002 Farm Bill, so currently based on 1997-2001 yields
- 1. Keep your current yields
- 2. Update yields to 90% of your 2008-2012 average, with 75% county average as "substitute yield" if your actual yield lower for a year
- 3. If no yield data, get 90% of 75% of county average
- Recommendation: Choose option giving highest Yields
- http://www.fsa.usda.gov/Internet/FSA_File/plc_subyields_web.xls

Substitute Yields by Crop					
County	Corn	Wheat	Soybeans	Oats	
Columbia	110.0	53.0	33.0	42.0	
Dane	108.0	57.0	35.0	51.0	
Sauk	99.0	50.0	32.0	41.0	

Yield Updating Tool

http://www.fsa.usda.gov/Internet/FSA_File/evaluate_arc_plc.pdf

Step 1: Enter Farm Number, State, and County

Step 2: Enter the substitute yields for the administrative county in the "County Substitute Yield Table" to the right.

Step 3: Enter name of covered commodity, (substitute yield will automatically populate)

Step 4: Enter the farm's CC yield.

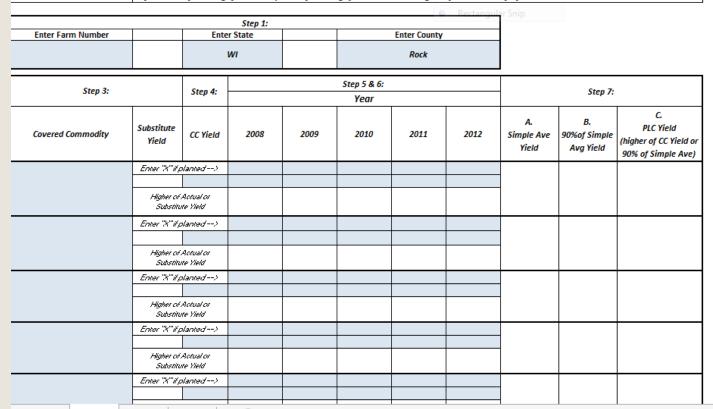
Instructions: Enter information in blue-shaded cells

Step 5:Enter an "X" and below the "X" enter the applicable year's yield for each year the crop was planted.

The yield that is entered will be crossed out, if the yield is lower than the substitute yield.

Step 6: The higher of the actual yield or the substitute yield will be displayed.

Step 7: The simple average yield, 90% of the simple average yield, and the resulting PLC yield will be displayed.



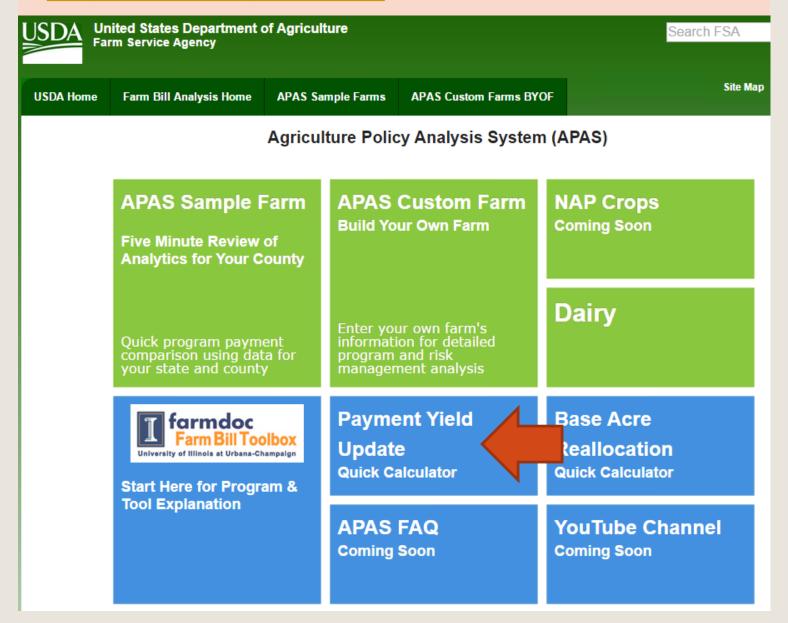


Step 2:			
County Substitute Yield Table			
(75% of 2008-12 average county			
utotal)			

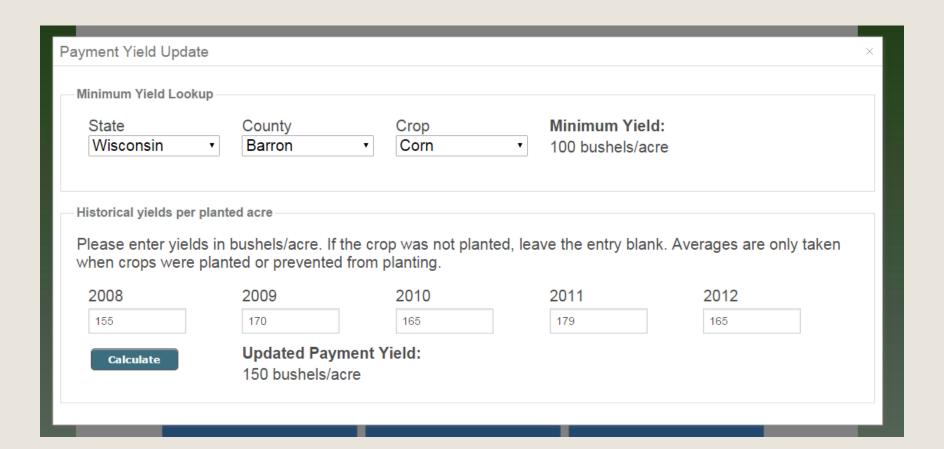
Covered Commodity	Substitute Yield
Barley	
Canola	
Chickpeas, Large	
Chickpeas, Small	
Corn	110
Crambe	
Flaxseed	
Grain Sorghum	
Lentils	
Mustard Seed	
Oats	
Peanuts	
Peas, Dry	
Rapeseed	
Rice, Long	
Rice, Medium	
Safflower	

Enter data into an online tool:

http://fsa.usapas.com/



- Enter data into an online tool: http://fsa.usapas.com/
- Automatically uses substitute yields for your county



Comments

- Cannot increase total base acres
- Can update base acre split and not yields, yields and not base acre split, both base acres and yields, or neither
- Can update yields for each crop separately
- Renters and Landlords have to work together: often the renter has the production information, but the landlord does the paperwork and signs the forms
- Not all landlords will understand what's going on -- it's been more than a decade since this last happened
- Get signatures on updating base acres and yields, <u>even if</u> do not change, otherwise you cannot make PLC/ARC election until March 1, 2015

Multi-Step Process with Different Deadlines

- Step 1: Maintain or Reallocate Base Acres By 2/27/15
 Step 2: Maintain or Update Payment Yields 1 Owner Signs
 Step 3: Elect PLC/ARC-CO/ARC-IC 3/31/2015
 Step 4: Consider SCO By 3/15/2015
 Step 5: Enroll in PLC/ARC By Summer 2015
- Farmers and land owners will have to choose
 - 1. PLC
 - 2. County ARC by Crop
 - 3. Individual ARC for Whole Farm
 - Irrevocable choice for 2014 2018 crop years
- Plenty of time to make decisions

New Commodity Support Programs

- 3 Options
- 1) Price Loss Coverage (PLC)
- Agriculture Risk Coverage (ARC)
- 2) County ARC (ARC-CO) by crop
- 3) Individual ARC (ARC-IC) for whole farm
- Most farmers will find <u>County ARC</u> the best option, especially for corn and soybeans
- Farmers may find <u>PLC</u> the best option for wheat and oats in some counties
- There are always exceptions!

New Commodity Support Programs

- Price Loss Coverage (PLC)
 - Establishes a <u>price</u> floor based on national marketing year average price
 - Essentially Counter-cyclical payments, but higher Reference prices:
 - Corn \$3.70, Soybeans \$8.40, Wheat \$5.50
 - Can buy Supplemental Coverage Option (SCO) crop insurance as an add-on option
- Agriculture Risk Coverage (ARC)
 - Establishes a <u>revenue</u> floor
 - Essentially a new and improved ACRE program
 - 1) County revenue by Crop (County ARC or ARC-CO)
 - 2) Individual revenue for Whole Farm (ARC-IC)

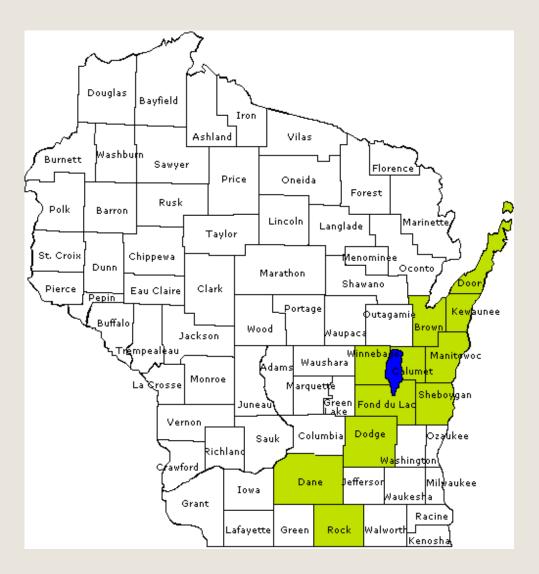
Simple PLC Example

- If the corn National Marketing Year Average Price were \$3.50
- Corn Reference Price is \$3.70 > \$3.50, so PLC payments are triggered, Payment Rate = \$3.70 - \$3.50 = \$0.20/bu
- If have 80 corn Base Acres with a <u>existing</u> Payment Yield of 105 bu/ac, then your PLC payment would be
- 85% x 80 ac x 105 bu/ac x \$0.20/bu = \$1,428
- If you have an <u>updated</u> Payment Yield of 130 bu/ac, then your PLC payment would be
- 85% x 80 ac x 130 bu/ac x \$.020/bu = \$1,768
- This is why if you update payment yields, pick the option that gives the highest payment yields

Supplemental Coverage Option (SCO)

- If you sign up for PLC, you have the <u>option</u> to buy SCO: allows you to insure part of your RP/YP deductible with a county policy (ARP/AYP)
 - Layer individual & county coverage
 - Can't exceed 86% total coverage
- Add SCO to an RP policy to increase coverage up to the 86% maximum
 - SCO will not pay until county loss exceeds 14%
 - 65% SCO premium subsidy (farmer pays 35%)
- SCO available in 2015, only commodities in PLC

Counties with SCO for Wheat



ARC Comments

- County ARC varies by county: guarantee, maximum payments, and actual yields
- County ARC guarantee varies over time: 5 year moving Olympic Average
- Similar to a county-level revenue insurance with an 86% coverage level
- Differences
 - Uses 5-Year Olympic Average of prices and yield to determine guarantee
 - Uses national marketing year average price as the actual price, not CME futures prices

Olympic Averaging: Unofficial 2014 Corn Example Columbia County

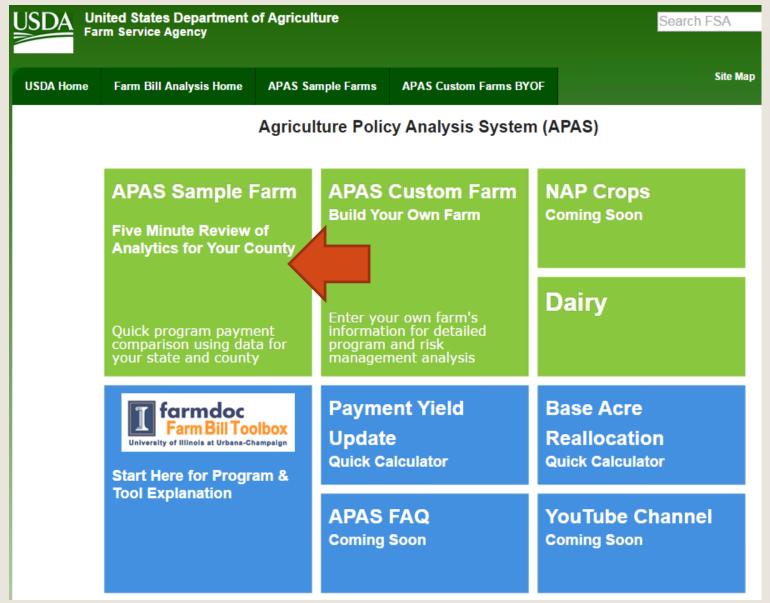
Year	Yield	Price	
2013	154	4.46	
2012	_105_	6.89	
2011	160	6.22	
2010	172	5.18	
2009	162	3.55	

- Olympic Average Yield = 158.7
- Olympic Average Price = 5.29
- ARC County Benchmark = 5.29 x 158.7 = \$839.52
- Maximum ARC Payment = 10% x \$839.52 = \$83.95
- ARC Guarantee = 86% x \$839.52 = \$721.99

County ARC Payment Example

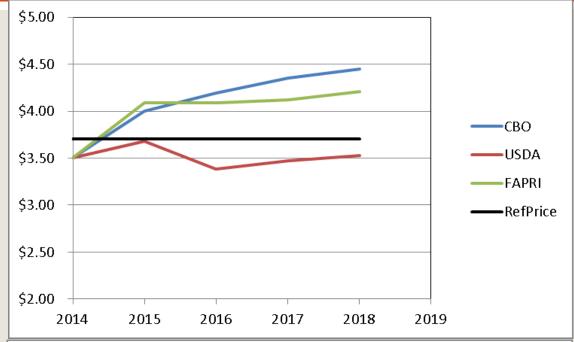
- Suppose 2014 County ARC Guarantee is \$839 for corn
- Suppose 2014 actual USDA yield is 180 bu/ac and 2014 MYA corn price is \$3.60
- Actual revenue is 180 x 3.60 = \$648/ac
- \$648 < \$839, triggers County ARC payment
- ARC Payment Rate = \$839 648 = \$191/ac: exceeds max
- Maximum ARC payment = 10% x County guarantee (\$839)
- So ARC Payment Rate = \$83.90
- ARC Payment = 85% x Base Acres x ARC Payment Rate
- ARC Payment = 85% x 1 acre x \$83.90 = \$71.32 per corn base acre

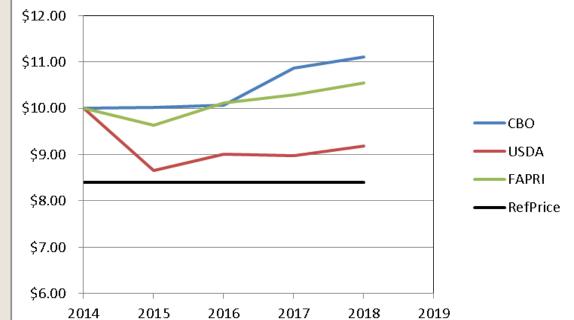
Decision Aids: U of IL with USDA Funding http://fsa.usapas.com/





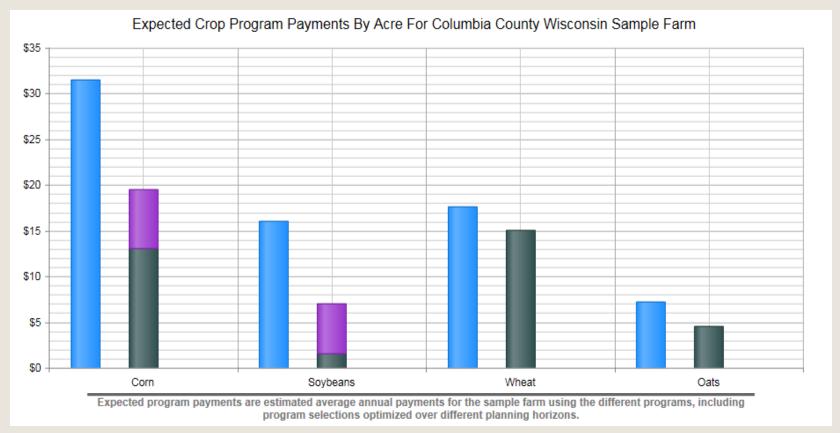






SOYBEAN

Columbia County, FAPRI Prices, 75% RP Coverage, 5-year horizon



- Corn > Wheat ≥ Soybeans > Oats
- County ARC > PLC+SCO for corn, soybeans and wheat

Main Points

- When choosing Base Acre Reallocation
 - Corn > Wheat ≥ Soybeans >Oats
 - Get as many Corn base acres as you can
- What about County ARC versus PLC?
 - Depends on prices use/assume, but generally ARC better for corn & soybeans in most counties
 - PLC+SCO is a better option for Wheat in counties that SCO is available for Wheat (Dane, Rock, Dodge)

Comments

- Charts use county average Payment Yields for PLC
 - Actual farm Payment Yields will be higher or lower depending on how farm yields relate to county yields
- SCO payments are <u>net</u> of premiums
- These are <u>estimates</u> of <u>average</u> payments under different price expectations
- These are not direct payments: no guaranteed payments
- Estimates are not always correct
- Averages are not certain
 - The average of rolling two dice is 7, but this does not mean you always get a 7, you can still roll 2's and 12's

Summary: ARC versus PLC

- Corn: In most counties ARC > PLC except with pessimistic prices, and if PLC > ARC, it's not by much
 - Recommend <u>County ARC</u> (ARC-C), cost of being wrong is not large, unless pessimistic about prices
 - Is your county an exception? Are you an exception?
- Soybeans: ARC > PLC: I have not found an exception
 - Recommend <u>County</u> ARC (ARC-CO)
- Wheat: ARC > PLC, however PLC+SCO > ARC
 - Recommend <u>County</u> ARC (ARC-CO) unless PLC+SCO is available (Dane, Dodge, Rock)

Quick Summary

- Relax, plenty of time to make decisions
 - 2/27/15 for base acre/yield updates, can be done now!
 - 3/31/15 for PLC/ARC election choice
 - 3/15/15 if want SCO crop insurance with PLC
 - Summer 2015 to signup
- Start playing with the tool: http://fsa.usapas.com/
 - APAS Custom Farm: Build Your Own Farm
- For most farms
 - 1) Updating yields will be worth it
 - 2) Updating base acres if you can get more corn
 - 3) County ARC a fine selection for corn, soybeans and wheat when PLC+SCO is not available

Quick Summary

- Individual Farm Examples can be completed online or with assistance of County Ag Extension Agent
- Announcements via UW Extension and ag media
- Official list of FSA/UW Extension meetings being held throughout Wisconsin: http://www.fsa.usda.gov/wi
- Focus will be on the decision tool http://fsa.usapas.com/
 - APAS Custom Farm: Build Your Own Farm
- Great outreach information
 - http://farmbilltoolbox.farmdoc.illinois.edu/